

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

07/07/2011

Evandro Carvalho
Assistant District Attorney, Suffolk County

Dear ADA Carvalho,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Della Saunders was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".
Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Maintenance and repairs of all analytical instruments.

*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

* Responsible for the Quality Control/Quality Assurance program for the drug lab.

*Notary Public.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

*Writing, revising and reviewing Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts

No. [REDACTED]

Date Analyzed: MAY 27 2011

City: MBTA Police Dept.

Officer: Sergeant GLORIA ANDREWS-WARD

Def: [REDACTED]

Amount:

Subst: SUB

No. Cont: 1 Cont: pb

Date Rec'd: 03/24/2011

No. Analyzed:

Gross Wt.: 1.55

Net Weight: 0.05

Tests: 4 ASO

to JF

Prelim: Heroin

Findings: *heroin*

Folk_OIG_PRR_042619

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY MBTA ANALYST AJ

No. of samples tested: _____ Evidence Wt. _____

PHYSICAL DESCRIPTION: Gross Wt (): 0.1761

Beige powdered substance
111 PS Gross Wt (): _____

Pkg. Wt: _____

double bagged Net Wt: 0.0578

PRELIMINARY TESTS

Spot Tests

Cobalt Thiocyanate (+)

Marquis +

Froehde's +

Mecke's +

Microcrystalline Tests

Gold Chloride _____

TLTA (-)

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 05-26-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

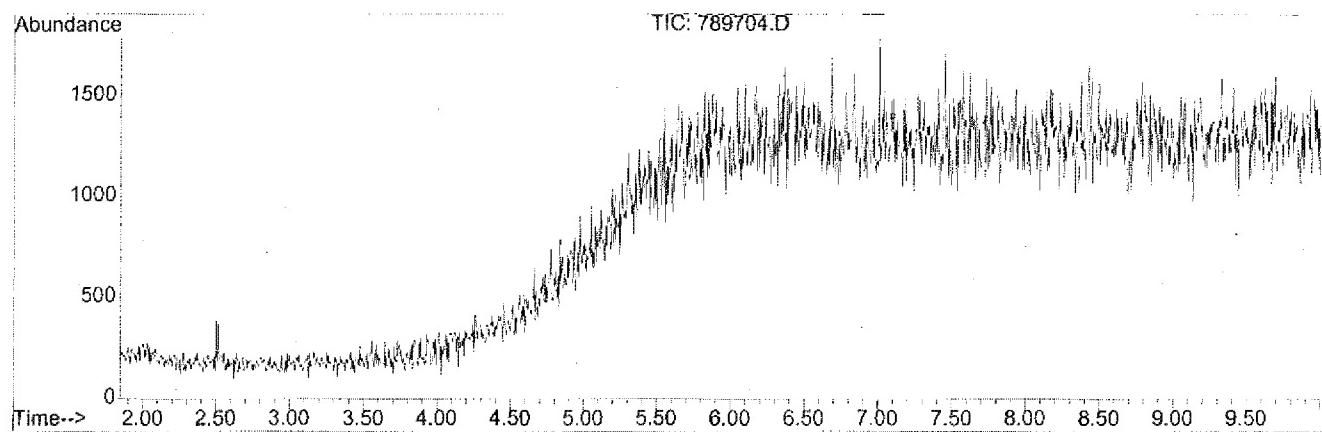
MS OPERATOR DCS

DATE 5-27-11

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789704.D
Operator : DCS
Date Acquired : 26 May 2011 9:56
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



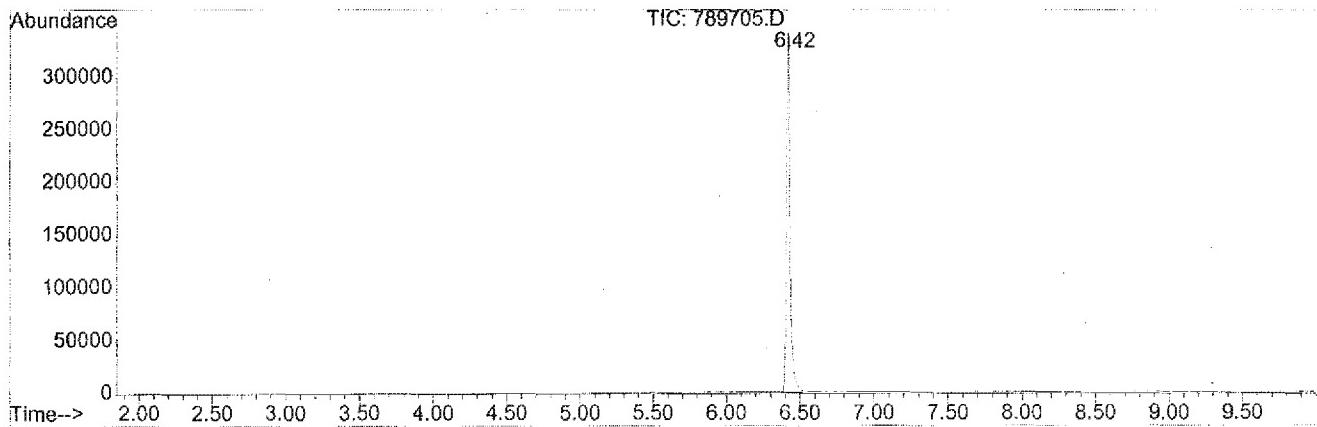
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789705.D
Operator : DCS
Date Acquired : 26 May 2011 10:10
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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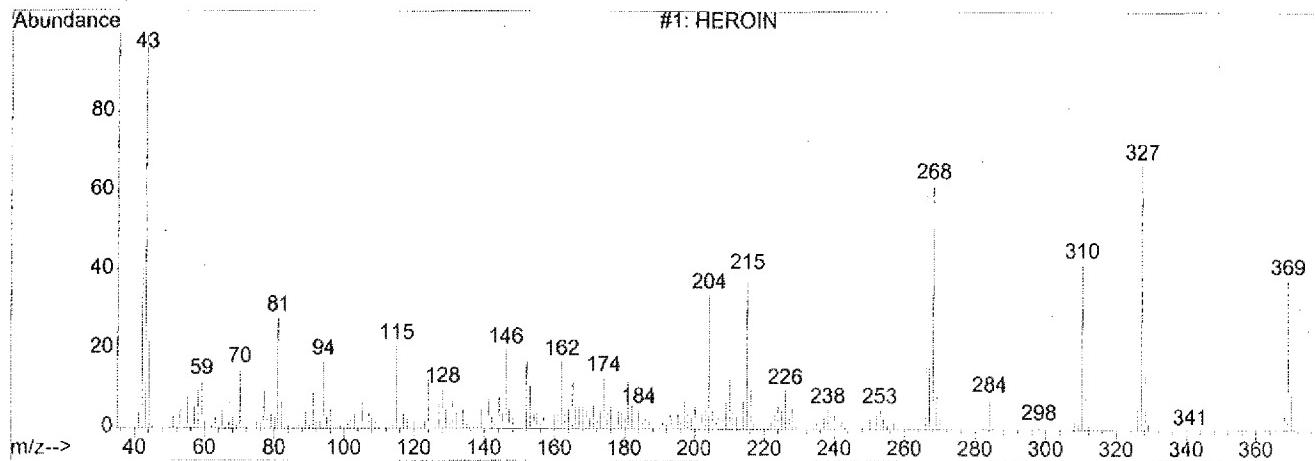
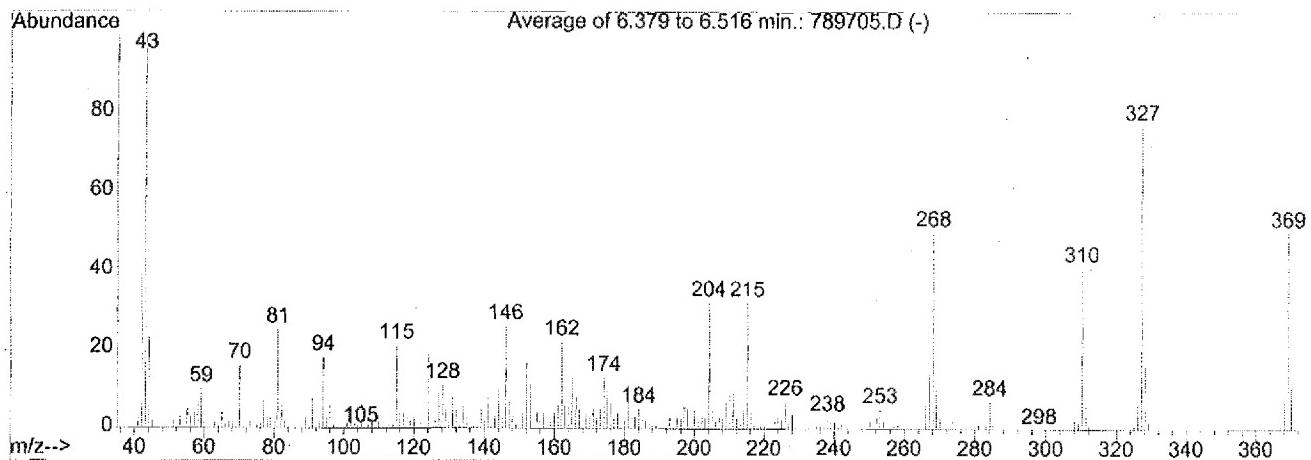
Area Percent / Library Search Report

Information from Data File:

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Operator : DCS
Date Acquired : 26 May 2011 10:10
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

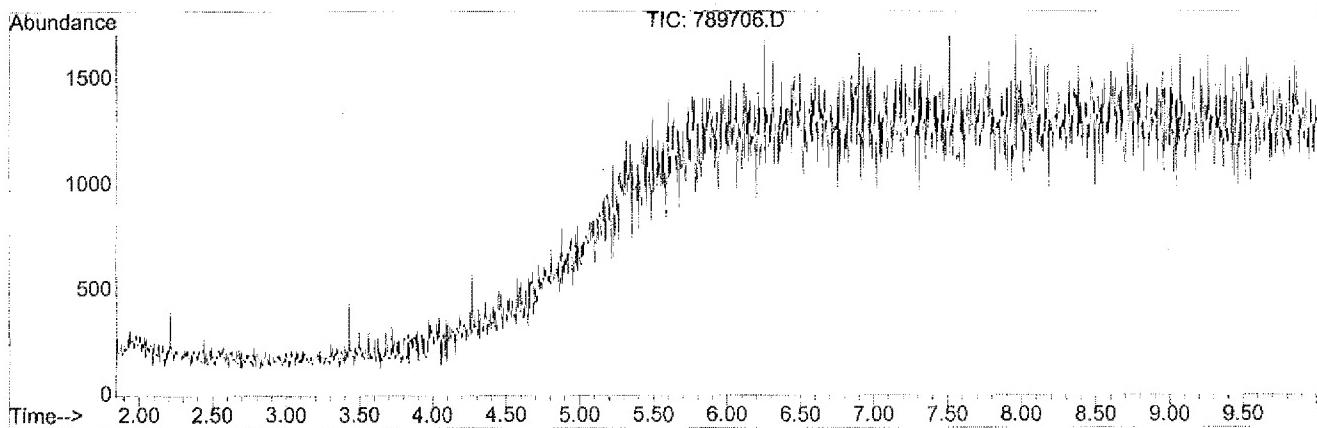
PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789706.D
Operator : DCS
Date Acquired : 26 May 2011 10:24
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



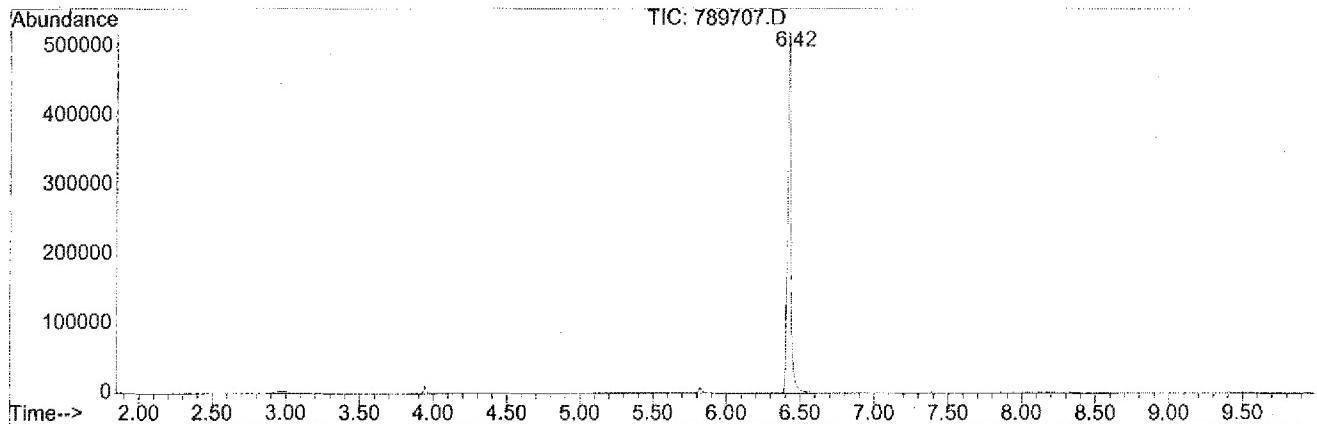
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789707.D
Operator : DCS
Date Acquired : 26 May 2011 10:37
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.418	805006	100.00	100.00

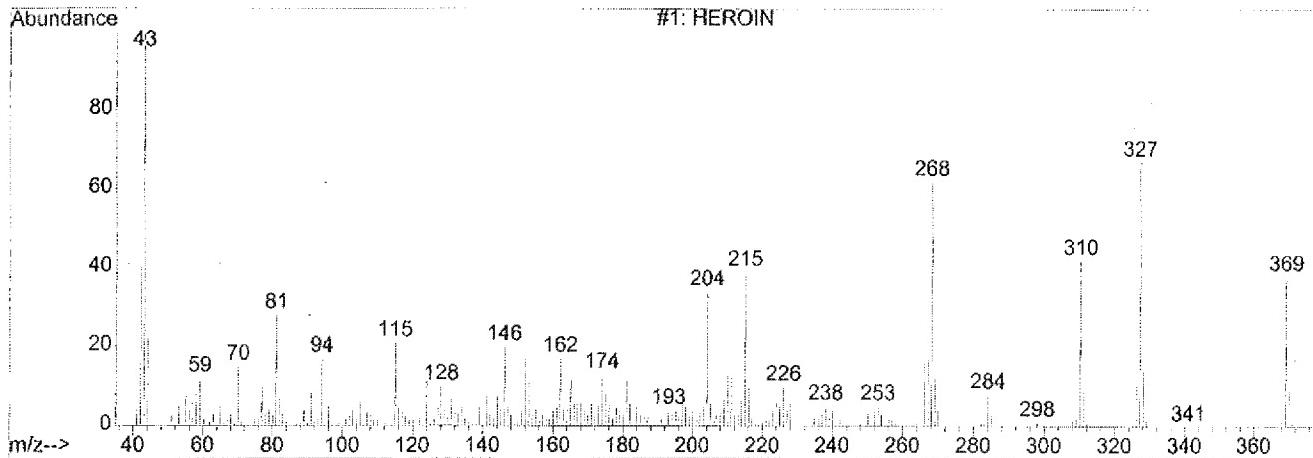
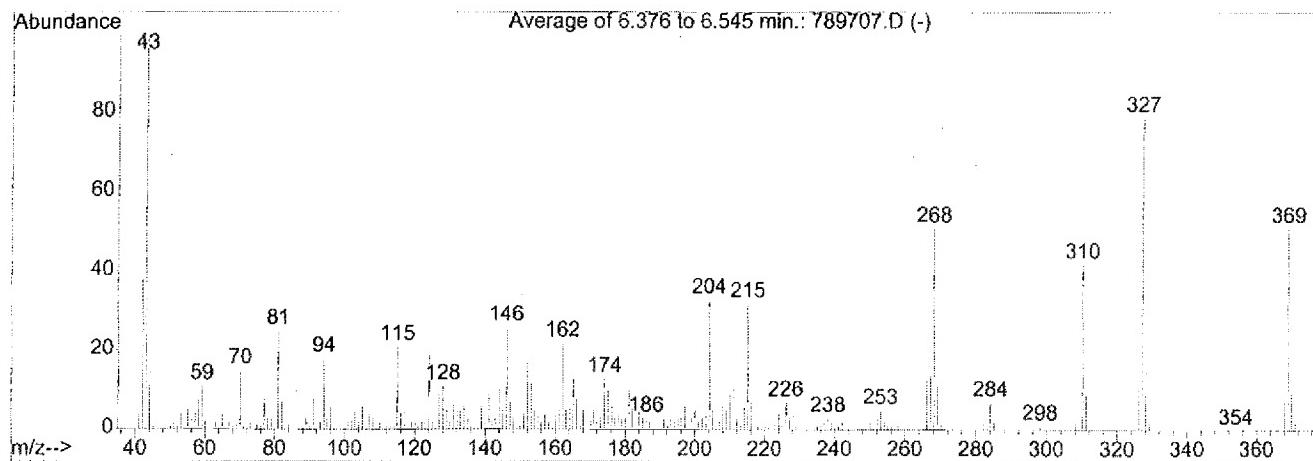
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789707.D
Operator : DCS
Date Acquired : 26 May 2011 10:37
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

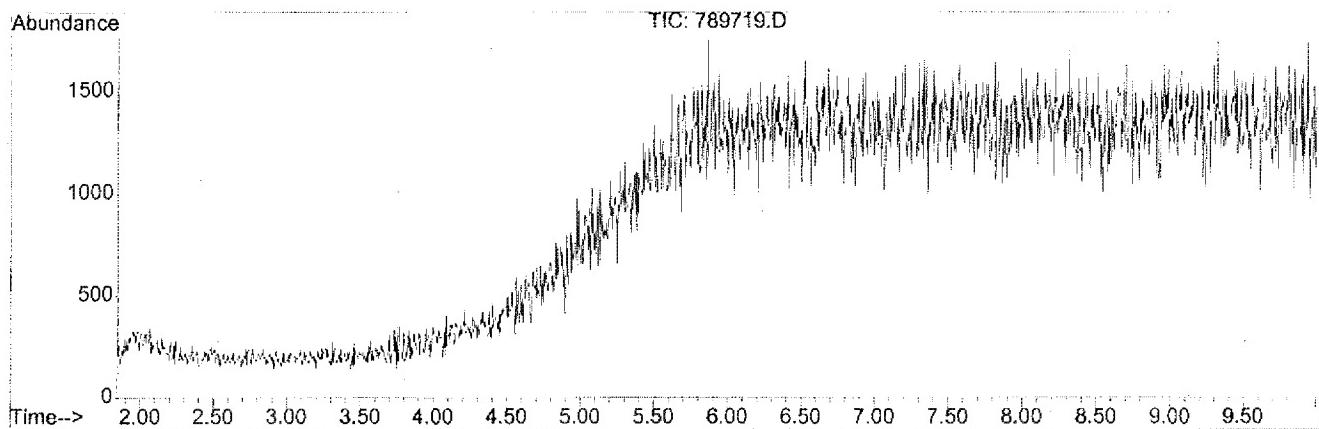
PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789719.D
Operator : DCS
Date Acquired : 26 May 2011 13:18
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



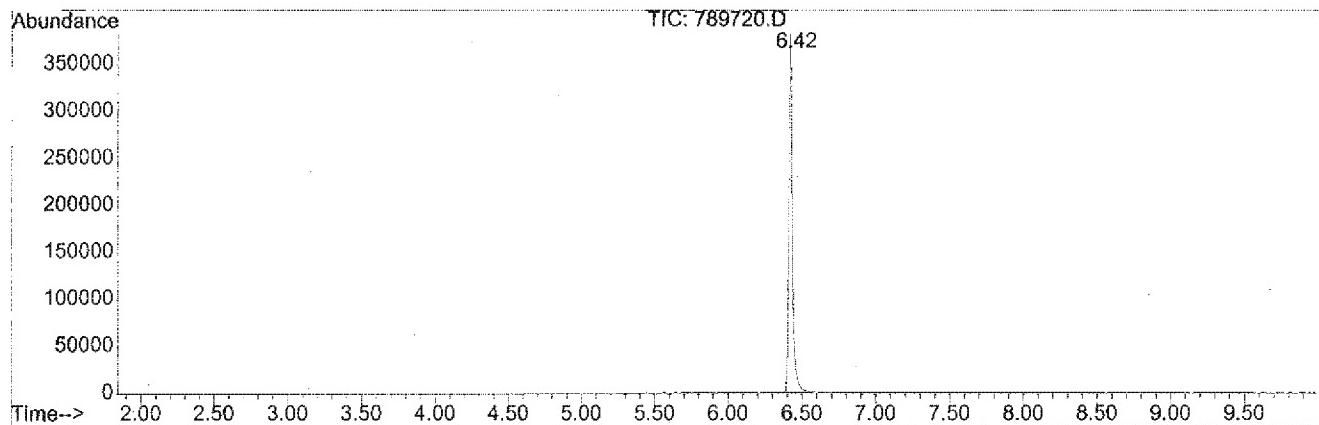
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789720.D
Operator : DCS
Date Acquired : 26 May 2011 13:32
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
6.418	611257	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\05_26_11\789720.D
Operator : DCS
Date Acquired : 26 May 2011 13:32
Sample Name : HEROIN STANDARD
Submitted by :
Vial Number : 20
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\DATABASE\SLI.L HEROIN	000561-27-3	99

